

TYPE OR PRINT
IN BLACK INK
(For instructions, see
booklet: "How to File an
Application to Appropriate
Water in California")

California Environmental Protection Agency

State Water Resources Control Board
Division of Water Rights
P.O. Box 2000, Sacramento, CA 95812-2000
Tel: (916) 341-5300 Fax: (916) 341-5400
www.waterrights.ca.gov

APPLICATION NO. 031595
(leave blank)

APPLICATION TO APPROPRIATE WATER

SECTION A: NOTICE INFORMATION

1. APPLICANT/AGENT

a.

	APPLICANT	ASSIGNED AGENT (if any)
Name	Sacramento Municipal Utility District	Joseph Schofield Downey Brand LLP
Mailing Address	P.O. Box 15830	555 Capitol Mall, 10th Flr.
City, State & Zip	Sacramento, CA 95852-1830	Sacramento, CA 95814
Telephone		(916) 444-1000
Fax		(916) 444-2100
E-mail		jschofield@downeybrand.com

2. OWNERSHIP INFORMATION (Please check type of ownership.)

- ☐ Sole Owner ☐ Limited Liability Company (LLC) ☐ General Partnership*
☐ Limited Partnership* ☐ Business Trust ☐ Husband/Wife Co-Ownership
☐ Corporation ☐ Joint Venture ☒ Other Municipal Utility District

*Please provide a copy of your partnership agreement.

3. PROJECT DESCRIPTION (Provide a detailed description of your project, including, but not limited to, type of construction activity, area to be graded or excavated, and how the water will be used.)

See attached

☒ See Attachment No. 1

4. PURPOSE OF USE, DIVERSION/STORAGE AMOUNT AND SEASON

a. PURPOSE OF USE (irrigation, domestic, etc.)	DIRECT DIVERSION				STORAGE		
	AMOUNT		SEASON OF DIVERSION		AMOUNT	SEASON OF COLLECTION	
	Rate (cfs or gpd)*	Acre-feet per year	Beginning date (month & day)	Ending date (month & day)	Acre-feet per year	Beginning date (month & day)	Ending date (month & day)
See attached							

☒ See Attachment No. 1

*If rate is less than 0.025 cubic feet per second (cfs), use gallons per day (gpd).

b. Total combined amount taken by direct diversion and storage during any one year will be _____ acre-feet.

c. Reservoir storage is: ☒ onstream ☐ offstream ☐ underground (If underground storage, attach Form APP-UGSTOR.)

d. County in which diversion is located: El Dorado County in which water will be used: El Dorado

e. Assessor's Parcel Number(s): unknown

5/24/05
#2850
C

5. SOURCES AND POINTS OF DIVERSION/REDIVERSION

a. Sources and Points of Diversion (POD)/Points of Rediversion (PORD):

- ☐ POD / ☐ PORD #: See attached tributary to _____
 thence _____
☐ POD / ☐ PORD #: _____ tributary to _____
 thence _____
☐ POD / ☐ PORD #: _____ tributary to _____
 thence _____
☐ POD / ☐ PORD #: _____ tributary to _____
 thence _____

☒ See Attachment No. 1

b. State Planar and Public Land Survey Coordinate Description:

POD/ PORD #	CALIFORNIA COORDINATES (NAD 27)	ZONE	POINT IS WITHIN (40-acre Subdivision)	SECTION	TOWN SHIP	RANGE	BASE AND MERIDIAN
	See attached		¼ of ¼				
			¼ of ¼				
			¼ of ¼				
			¼ of ¼				

☒ See Attachment No. 1

c. Name of the post office most often used by those living near the proposed point(s) of diversion:

U.S. Post Office in Kyburz

6. WATER AVAILABILITY

a. Have you attached a water availability analysis for this project? ☒ YES ☐ NO

If NO, provide sufficient information to demonstrate that there is reasonable likelihood that unappropriated water is available for the proposed appropriation:

☒ See Attachment No. 2

b. Is your project located on a stream system declared to be fully appropriated by the State Water Resources Control Board during your proposed season of diversion? ☒ YES ☐ NO The project is located on American River sources, which are considered a fully appropriated stream. However, the application is for a nonconsumptive use that will not substantially diminish the quantity or quality of water in the source and will not regulate flow in the source in such manner as to impair any other existing reasonable and beneficial use, including instream use.

c. In an average year, does the stream dry up at any point downstream of your project? ☐ YES ☒ NO If YES, during which months? ☐ Jan ☐ Feb ☐ Mar ☐ Apr ☐ May ☐ Jun ☐ Jul ☐ Aug ☐ Sep ☐ Oct ☐ Nov ☐ Dec

d. What alternate sources of water are available if a portion of your requested diversion season must be excluded because water is not available for appropriation? (e.g., percolating groundwater, purchased water, etc.)

None

☐ See Attachment No. ____

7. PLACE OF USE

USE IS WITHIN (40-acre subdivision)	SECTION*	TOWNSHIP	RANGE	BASE & MERIDIAN	IF IRRIGATED	
					Acres	Presently cultivated?
¼ of ¼	See attached					<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
Total:						

*Please indicate if section is projected with a "(P)" following the section number.

☒ See Attachment No. 1**8. PROJECT SCHEDULE**

a. Project is:

☐ proposed. Year construction will begin: _____☐ partially complete. Extent of completion: _____☒ complete. Year completed: 1985

b. Year of first use: 1959 Year water will be used to the full extent intended: 2057

SECTION B: MISCELLANEOUS DIVERSION INFORMATION**1. JUSTIFICATION OF AMOUNTS REQUESTED**a. ☐ IRRIGATION: Maximum area to be irrigated in any one year: _____ acres.

CROP	ACRES	METHOD OF IRRIGATION (sprinklers, flooding, etc.)	WATER USE (Acre-feet/Yr.)	SEASON OF WATER USE	
				Beginning date (month & day)	Ending date (month & day)

☐ See Attachment No. _____b. ☐ DOMESTIC: Number of residences to be served: _____ Separately owned? ☐ YES ☐ NO

Number of people to be served: _____ Estimated daily use per person is: _____ gallons per day

Area of domestic lawns and gardens: _____ square feet

Incidental domestic uses: _____
(dust control area, number and kind of domestic animals, etc.)c. ☐ STOCKWATERING: Kind of stock: _____ Maximum number: _____Describe type of operation: _____
(feedlot, dairy, range, etc.)d. ☒ RECREATIONAL: Type of recreation: ☒ Fishing ☒ Swimming ☒ Boating ☐ Other _____e. ☐ MUNICIPAL:

POPULATION List for 5-year periods until use is completed		MAXIMUM MONTH		ANNUAL USE		
Period	Population	Average daily use (gallons per capita)	Rate of diversion (cfs)	Average daily use (gallons per capita)	Acre-foot (per capita)	Total (acre-feet)
Present						

☐ See Attachment No. _____

Month of maximum use during year: _____ Month of minimum use during year: _____

- f.
- ☐
- HEAT CONTROL: Area to be heat controlled: _____ net acres

Type of crops protected: _____

Rate at which water is applied to use: _____ gpm per acre

Heat protection season will begin _____ and end _____
(month & day) (month & day)

- g.
- ☐
- FROST PROTECTION: Area to be frost protected: _____ net acres

Type of crops protected: _____

Rate at which water is applied to use: _____ gpm per acre

The frost protection season will begin _____ and end _____
(month & day) (month & day)

- h.
- ☐
- INDUSTRIAL: Type of industry: _____

Basis for determination of amount of water needed: _____

- i.
- ☐
- MINING: Name of the claim: _____
- ☐
- Patented
- ☐
- Unpatented

Nature of the mine: _____ Mineral(s) to be mined: _____

Type of milling or processing: _____

After use, the water will be discharged into _____ (watercourse)

in _____ 1/4 of _____ 1/4 of Section _____, T _____, R _____, B. & M.

- j.
- ☒
- POWER: Total head to be utilized:
- 61 to 1,530 feet, depending on the facility

Maximum flow through the penstock: 1120 to 3,950 cfs, depending on the facilityMaximum theoretical horsepower capable of being generated by the works (cfs x fall ÷ 8.8): 13,170 to 339,060Electrical capacity (hp x 0.746 x efficiency): 688 megawatts kilowatts at: varies by unit, head, and flow rate % efficiencyAfter use, the water will be discharged into South Fork American River (watercourse)in NE 1/4 of SE 1/4 of Section 25, T 11, R 10, MD B. & M. FERC No.: 2101

- k.
- ☐
- FISH AND WILDLIFE PRESERVATION AND/OR ENHANCEMENT: List specific species and habitat type that will be preserved or enhanced in Item 7a of Section C.

- l.
- ☐
- OTHER: Describe use: _____

Basis for determination of amount of water needed: _____

2. DIVERSION AND DISTRIBUTION METHOD

- a. Diversion will be by gravity by means of:
- dams and tunnels
-
- am, pipe in unobstructed channel, pipe through dam, siphon, weir, gate, etc.)

- b. Diversion will be by pumping from: _____
-
- (sump, offset well, channel, reservoir, etc)

Pump discharge rate: _____ ☐ cfs or ☐ gpd Horsepower: _____ Pump Efficiency: _____

- c. Conduit from diversion point to first lateral or to offstream storage reservoir:

CONDUIT (pipe or channel)	MATERIAL (type of pipe or channel lining; indicate if pipe is buried or not)	CROSS-SECTION (pipe diameter, or ditch depth and top and bottom width) (inches or feet)	LENGTH (feet)	TOTAL LIFT OR FALL		CAPACITY (cfs, gpd or gpm)
				feet	+ or -	
	See attached					

☒ See Attachment No. 1

- d. Storage reservoirs: (For underground storage, complete and attach form APP-UGSTOR)

RESERVOIR NAME OR NUMBER	DAM					RESERVOIR	
	Vertical height from downstream toe of slope to spillway level (feet)	Construction material	Length (feet)	Freeboard dam height above spillway crest (feet)	Surface area when full (acres)	Capacity (acre-feet)	Maximum water depth (feet)
	See attached						

☐ See Attachment No. 1

e. Outlet pipe: Complete for storage reservoirs having a capacity of 10 acre-feet or more.

RESERVOIR NAME OR NUMBER	OUTLET PIPE				
	Diameter (inches)	Length (feet)	Fall: vertical distance between entrance and exit of outlet pipe (feet)	Head: vertical distance from spill- way to entrance of outlet pipe (feet)	Dead Storage storage below entrance of outlet pipe (acre-feet)
See attached					

☐ See Attachment No. _____

f. If water will be stored and the reservoir is not at the point of diversion, the maximum rate of diversion to off-stream storage will be _____ cfs. Diversion to offstream storage will be made by: ☐ Pumping ☐ Gravity

3. CONSERVATION AND MONITORING

a. What methods will you use to conserve water? Explain. Non-consumptive use

b. How will you monitor your diversion to be sure you are within the limits of your water right and you are not wasting water? ☐ Weir ☐ Meter ☐ Periodic sampling ☒ Other (describe) stream gages

4. RIGHT OF ACCESS

a. Does the applicant own all the land where the water will be diverted, transported and used? ☐ YES ☒ NO

If NO, I ☒ do ☐ do not have a recorded easement or written authorization allowing me access.

b. List the names and mailing addresses of all affected landowners and state what steps are being taken to obtain access: See attached

☒ See Attachment No. 1

5. EXISTING WATER RIGHTS AND RELATED FILINGS

a. Do you claim an existing right for the use of all or part of the water sought by this application? ☐ YES ☒ NO

If YES, please specify: ☐ Riparian ☐ Pre-1914 ☐ Registration ☐ Permit ☐ License

☐ Percolating groundwater ☐ Adjudicated ☐ Other (specify) _____

b. For each existing right claimed, state the source, year of first use, purpose, season and location of the point of diversion (to within quarter-quarter section). Include number of registration, permit, license, or statement of water diversion and use, if applicable. _____

c. List any related applications, registrations, permits, or licenses located in the proposed place of use or that utilize the same point(s) of diversion? See attached

☒ See Attachment No. 1

6. OTHER SOURCES OF WATER

Are you presently using, or do you intend to use, purchased water or water supplied by contract in connection with this project? ☐ Yes ☒ No If yes, please explain: _____

7. MAP REQUIREMENTS

The Division cannot process your application without accurate information showing the source of water and location of water use. You must include a map with this application form that clearly indicates the township, range, section and quarter/quarter section of (1) the proposed points of diversion and (2) the place of use. A copy of a U.S.G.S. quadrangle/topographic map of your project area is preferred, and can be obtained from sporting goods stores or through the Internet at <http://topomaps.usgs.gov>. A certified engineering map is required when (1) appropriating more than three cfs by direct diversion, (2) constructing a dam which will be under the jurisdiction of the Division of Safety of Dams, (3) creating a reservoir with a surface area in excess of ten acres or (4) appropriating more than 1000 acre-feet per annum by underground storage. See the instruction booklet for more information.

☒ See Attachment No. 5

SECTION C: ENVIRONMENTAL INFORMATION

Note: Before a water right permit may be issued for your project, the State Water Resources Control Board (SWRCB) must consider the information contained in an environmental document prepared in compliance with the California Environmental Quality Act (CEQA). This form is not a CEQA document. If a CEQA document has not yet been prepared for your project, a determination must be made of who is responsible for its preparation. If the SWRCB is determined to be responsible for preparing the CEQA document, the applicant will be required to pay all costs associated with the environmental evaluation and preparation of the required documents. Please answer the following questions to the best of your ability and submit with this application any studies that have been conducted regarding the environmental evaluation of your project.

1. COUNTY PERMITS

a. Contact your county planning or public works department and provide the following information:

Person contacted: N/A Date of contact: _____

Department: _____ Telephone: (____) _____

County Zoning Designation: _____

Are any county permits required for your project? ☐ YES ☐ NO If YES, check appropriate box below:

☐ Grading permit ☐ Use permit ☐ Watercourse ☐ Obstruction permit ☐ Change of zoning

☐ General plan change ☐ Other (explain): _____

The UARP is an existing project and already has all necessary permits.

b. Have you obtained any of the required permits described above? ☐ YES ☐ NO

If YES, provide a complete copy of each permit obtained.

☐ See Attachment No. _____

2. STATE/FEDERAL PERMITS AND REQUIREMENTS

a. Check any additional state or federal permits required for your project:

☐ Federal Energy Regulatory Commission ☐ U.S. Forest Service ☐ U.S. Bureau of Land Management

☐ U.S. Corps of Engineers ☐ U.S. Natural Res. Conservation Service ☐ Calif. Dept. of Fish and Game

☐ State Lands Commission ☐ Calif. Dept. of Water Resources (Div. of Safety of Dams)

☐ Calif. Coastal Commission ☐ State Reclamation Board ☐ Other (specify) _____

SMUD is in the process of obtaining a new FERC license, which will be in effect from approximately 2007 to 2057.

b. For each agency from which a permit is required, provide the following information:

AGENCY	PERMIT TYPE	PERSON(S) CONTACTED	CONTACT DATE	TELEPHONE NO.

☐ See Attachment No. _____

c. Does your proposed project involve any construction or grading-related activity that has significantly altered or would significantly alter the bed, bank, or riparian habitat of any stream or lake? ☐ YES ☒ NO

If YES, explain: The UARP is a completed project.

☐ See Attachment No. _____

- d. Have you contacted the California Department of Fish and Game concerning your project? ☐ YES ☒ NO
If YES, name and telephone number of contact: _____

3. ENVIRONMENTAL DOCUMENTS

- a. Has any California public agency prepared an environmental document for your project? ☐ YES ☒ NO
c. If YES, submit a copy of the latest environmental document(s) prepared, including a copy of the notice of determination adopted by the California public agency. Public agency: _____
d. If NO, check the appropriate box and explain below, if necessary:
☐ The applicant is a California public agency and will be preparing the environmental document.*
☐ I expect that the SWRCB will be preparing the environmental document.**
☐ I expect that a California public agency other than the State Water Resources Control Board will be preparing the environmental document.* Public agency: _____
☐ See Attachment No. ____
* Note: When completed, submit a copy of the final environmental document (including notice of determination) or notice of exemption to the SWRCB, Division of Water Rights. Processing of your application cannot proceed until these documents are submitted.
** Note: CEQA requires that the SWRCB, as Lead Agency, prepare the environmental document. The information contained in the environmental document must be developed by the applicant and at the applicant's expense under the direction of the SWRCB, Division of Water Rights.

Given that the water sought by this application will be used for a single-purpose hydroelectric project licensed by the Federal Energy Regulatory Commission (FERC), environmental review by the SWRCB under CEQA is federally preempted. A thorough environmental review of the environmental effects of the UARP is currently being undertaken by FERC, and SWRCB staff is participating in that review.

4. WASTE/WASTEWATER

- a. Will your project, during construction or operation, (1) generate waste or wastewater containing such things as sewage, industrial chemicals, metals, or agricultural chemicals, or (2) cause erosion, turbidity or sedimentation?
☒ YES ☐ NO
If YES, or you are unsure of your answer, explain below and contact your local Regional Water Quality Control Board for the following information (See instruction booklet for address and telephone no.):
UARP is an existing project, and SMUD already uses NPDES "General Permit CAG 990002."

☐ See Attachment No. ____

- b. Will a waste discharge permit be required for your project? ☒ YES ☐ NO operates under existing permit
Person contacted: _____ Date of contact: _____
c. What method of treatment and disposal will be used? _____

☐ See Attachment No. ____

5. ARCHEOLOGY

- a. Have any archeological reports been prepared on this project? ☒ YES ☐ NO
b. Will you be preparing an archeological report to satisfy another public agency? ☐ YES ☐ NO
c. Do you know of any archeological or historic sites located within the general project area? ☐ YES ☐ NO

☒ See Attachment No. 4

6. ENVIRONMENTAL SETTING

Attach three complete sets of color photographs, clearly dated and labeled, showing the vegetation that exists at the following three locations:

- ☒ Along the stream channel immediately downstream from the proposed point(s) of diversion.
☒ Along the stream channel immediately upstream from the proposed point(s) of diversion.
☒ At the place(s) where the water is to be used.
☒ See Attachment No. 3

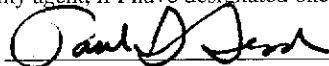
SECTION D: SUBMITTAL FEES

Calculate your application filing fee using the "Water Right Fee Schedule Summary" that was enclosed in the application packet. The "Water Right Fee Schedule Summary" can also be viewed at the Division of Water Rights' website (www.waterrights.ca.gov).

A check for the application filing fee, payable to the "Division of Water Rights" and an \$850 check for the environmental review fee, payable to the "California Department of Fish and Game," must accompany this application. All applicable fees are required at the time of filing. Your application will be returned to you if it is not accompanied by all required fees.

SECTION E: DECLARATION AND SIGNATURE

I declare under penalty of perjury that all information provided is true and correct to the best of my knowledge and belief. I authorize my agent, if I have designated one above, to act on my behalf regarding this water right application.


Signature of Applicant

Mgr., Power Generation
Title or Relationship

5-23-05
Date

Signature of Co-Applicant (if any)

Title or Relationship

Date

"APPLICATION TO APPROPRIATE WATER" CHECKLIST

Before you submit your application, be sure to:

- ☐ Answer each question completely in Sections A, B, and C.
- ☐ Number and include all necessary attachments.
- ☐ Include a legible map that meets the requirements discussed in the instruction booklet (Item B6).
- ☐ Include the Water Availability Analysis or sufficient information to demonstrate that there is reasonable likelihood that unappropriated water is available for the proposed appropriation (Item A6).
- ☐ Include three complete sets of color photographs of the project site (Item C6).
- ☐ Enclose a check for the required fee, payable to the Division of Water Rights, as specified in Section D.
- ☐ Enclose a \$850 check for the environmental review fee, payable to the Department of Fish and Game, as specified in Section D.
- ☐ Sign and date the application in Section E.

Send the original and one copy of the entire application to:

State Water Resources Control Board
Division of Water Rights
P.O. Box 2000
Sacramento, CA 95812-2000

Supplemental Information

Attachment No. 1 to Sacramento Municipal Utility District's Water Right Application

SECTION A: NOTICE INFORMATION

3. PROJECT DESCRIPTION

The Upper American River Project (UARP) is a large hydroelectric development licensed by the Federal Energy Regulatory Commission. Located within the Rubicon, Silver Creek, and South Fork American River watersheds of the Western Sierra, the UARP consists of eleven dams and eight powerplants that provide electricity to customers with the Sacramento Municipal Utility District service boundaries. This application only involves the use of existing facilities. Placing the water that is the subject of this Application to beneficial use will not require additional construction and will not change the historical operation of the UARP.

4. PURPOSE OF USE, DIVERSION/STORAGE AMOUNT AND SEASON

a. POINT OF DIVERSION	PURPOSE OF USE	DIRECT DIVERSION			
		AMOUNT		SEASON OF DIVERSION	
		Rate (cfs)	Acre-feet per year	Beginning date (month & day)	Ending date (month & day)
(1) Rubicon Reservoir	Power	800 cfs	The total amount to be taken from the source under this application and under License 11074 will not exceed 410,000 acre-feet per year. The total amount to be put to beneficial use (flow through Robbs Peak Powerhouse) under under this application and under License 11074 will not exceed 405,000 acre-feet per year.	January 1	December 31
(2) Buck Island Reservoir	Power	160 cfs		January 1	December 31
(3) Loon Lake Reservoir	Power	950 cfs		January 1	December 31
(4) Gerle Creek Reservoir	Power				
(5) Robbs Peak Reservoir	Power				

POINT OF STORAGE	PURPOSE OF USE	STORAGE		
		AMOUNT	SEASON OF COLLECTION	
		Acre-feet per year	Beginning date (month & day)	Ending date (month & day)
Rubicon Reservoir	Power and recreation	1,550 acre-feet*	October 1	September 30
Buck Island Reservoir	Power, recreation, fishery and wildlife protection/enhancement	760 acre-feet*	October 1	September 30
Gerle Creek Reservoir	Power and recreation	1,200 acre-feet*	October 1	September 30
Robbs Peak Reservoir	Power	100 acre-feet*	October 1	September 30

* The maximum total amount of water to be collected to storage from all sources under this application and existing License 11074 shall not exceed 226,900 afy, the existing storage limitation in License 11074.

5. SOURCES AND POINTS OF DIVERSION/REDIVERSION

a. Sources and Points of Diversion (POD)/Points of Rediversion (PORD):

- ☒ POD / ☐ PORD # (1): Rubicon River, tributary to Middle Fork American River
- ☒ POD / ☒ PORD # (2): Little Rubicon River (aka Rockbound/Highland Creek), tributary to Rubicon River thence Middle Fork American River
- ☒ POD / ☒ PORD # (3): Gerle Creek, tributary to South Fork Rubicon River thence Rubicon River
- ☒ POD / ☒ PORD # (4): Gerle Creek, tributary to South Fork Rubicon River thence Rubicon River
- ☒ POD / ☒ PORD # (5): South Fork Rubicon, tributary to Rubicon River thence Middle Fork American River
- ☐ POD / ☒ PORD # (6): Silver Creek, tributary to South Fork American River thence American River
- ☐ POD / ☒ PORD # (7): Silver Creek, tributary to South Fork American River thence American River
- ☐ POD / ☒ PORD # (8): Silver Creek, tributary to South Fork American River thence American River
- ☐ POD / ☒ PORD # (9): Brush Creek, tributary to South Fork American River thence American River
- ☐ POD / ☒ PORD # (10): South Fork American River tributary to American River thence Sacramento River
- ☐ POD / ☒ PORD # (11): South Fork American River tributary to American River thence Sacramento River

b. State Planar and Public Land Survey Coordinate Description

POD/ PODR #	POINT IS WITHIN (40- acre subdivision)	SECTION	TOWNSHIP	RANGE	BASE AND MERIDIAN
# (1)	NW ¼ of SW ¼	9	13N	16E	MDB&M
# (2)	SW ¼ of NW ¼	6	13N	16E	MDB&M
# (3)	SE ¼ of NE ¼	5	13N	15E	MDB&M
# (4)	Lot 14	15	13N	14E	MDB&M
# (5)	SW ¼ of NE ¼	27	13N	14E	MDB&M
# (6)	SW ¼ of SW ¼	20	12N	14E	MDB&M
# (7)	SW ¼ of SW ¼	4	12N	14E	MDB&M
# (8)	Lot 9	4	11N	13E	MDB&M
# (9)	NW ¼ of SE ¼	10	11N	12E	MDB&M
# (10)	SE ¼ of NW ¼	25	11N	11E	MDB&M
# (11)	NE ¼ of SW ¼	25	11N	10E	MDB&M

7. PLACE OF USE

POWERPLANT	USE IS WITHIN (40-acre subdivision)	SECTION	TOWNSHIP	RANGE	BASE & MERIDIAN
Loon Lake Powerhouse	NE ¼ of NE ¼	18	13N	15E	MDB&M
Robbs Peak Powerhouse	NE ¼ of SW ¼	11	12N	14E	MDB&M
Union Valley Powerhouse	SW ¼ of SW ¼	20	12N	14E	MDB&M
Jaybird Powerhouse	NE ¼ of NW ¼	4	11N	13E	MDB&M
Camino Powerhouse	SW ¼ of SE ¼	15	11N	12E	MDB&M
Slab Creek Powerhouse	SE ¼ of NW ¼	25	11N	11E	MDB&M
White Rock Powerhouse	NW ¼ of NE ¼	31	11N	11E	MDB&M
Chili Bar Powerhouse	NE ¼ of SW ¼	25	11N	10E	MDB&M

SECTION B: MISCELLANEOUS DIVERSION INFORMATION**2. DIVERSION AND DISTRIBUTION INFORMATION****c. Conduits**

CONDUIT (pipe or channel)	MATERIAL (type of pipe or channel lining; indicate if pipe is lined or not)	CROSS-SECTION (pipe diameter, or ditch depth and top and bottom width) (inches or feet)	LENGTH (feet)	TOTAL LIFT OR FALL		CAPACITY (cfs, gpd or gpm)
				feet	+ or -	
Rubicon- Rockbound Tunnel	concrete lined and unlined tunnel	13' diameter	1,170	3.5	-	1300 cfs
Buck-Loon Tunnel	concrete lined and unlined tunnel	13' diameter	8,225	37	-	1,260 cfs
Loon Lake Powerhouse Penstock Shaft	concrete and steel lined tunnel	8.5'-14' diameter	1,454	1046	-	1,120 cfs
Loon Lake Powerhouse Tailrace Tunnel	concrete lined and unlined tunnel	18' diameter	20,212	24	-	1120 cfs
Gerle Creek Canal	partially gunite-lined canal	22' wide at top 19' wide at bottom 19' deep	9,950	2.7	-	1,120 cfs
Robbs Peak Tunnel	steel lined and unlined tunnel	13' diameter	16,917	86	-	1,450 cfs
Robbs Peak Penstock	steel	8.25-9.75' diameter	2,235	288	-	1,250 cfs
Union Valley Tunnel	concrete-lined tunnel with steel pipe	11' diameter	556	1.4	-	1,577 cfs
Union Valley Penstock		9.5-10' diameter	1,435	187	-	1,577 cfs
Jaybird Tunnel	unlined tunnel	11.3-14.25' diameter	23,190	105	-	1,345 cfs
Jaybird Penstock	steel pipe	6.25-10.25' diameter	2,620	1350		1,345 cfs
Camino Tunnel	unlined and concrete- lined tunnel	13-14' diameter	26,589	140	-	2,100 cfs
Brush Creek Tunnel	unlined tunnel	14' diameter	4,447	125	-	1,900 cfs
Camino Penstock	steep pipe	5-12' diameter	1,560	852	-	2,100 cfs
Slab Creek Penstock	steel pipe	2' diameter	40	0	-	45 cfs
White Rock Tunnel	unlined tunnel	20.7-24.0' diameter	25,941	121	-	3,950 cfs
White Rock Penstock	steel pipe	9-15' diameter	1,675	560	-	3,950 cfs
Chili Bar Penstock	steel pipe	15' diameter	75	23	-	1,900 cfs

d. Storage Reservoirs

RESERVOIR NAME OR NUMBER	DAM				RESERVOIR		
	Vertical height from downstream toe of slope to spillway level (feet)	Construction material	Length (feet)	Freeboard: dam height above spillway crest (feet)	Surface area when full (acres)	Capacity (acre-feet)	Maximum water depth (feet)
Rubicon Reservoir	36	Concrete	644	6.0	108	1,450	25
Buck Island Reservoir	23	Concrete	293	6.0	78	1,070	26
Loon Lake Reservoir	108	Rockfill	2,130	8.0	1,450	76,200	165
Gerle Creek Reservoir	58	Concrete	444	9.5	60	1,260	51
Robbs Peak Reservoir	44	Concrete	320	8.0	2	30	36
Union Valley Reservoir	453	Earthfill	1,835	28.0	2,860	277,290	360
Junction Reservoir	168	Concrete	525	18.0	64	3,250	141
Camino Reservoir	133	Concrete	470	41.5	20	825	76
Brush Creek Reservoir	213	Concrete	780	8.0	20	1,530	140
Slab Creek Reservoir	250	Concrete	817	20.0	280	16,600	186

e. **Outlet Pipes**

RESERVOIR NAME OR NUMBER	OUTLET PIPE				
	Diameter (inches)	Length (feet)	Fall: vertical distance between entrance and exit of outlet pipe (feet)	Head: vertical distance from spill- way to entrance outlet pipe (feet)	Dead Storage storage below entrance of outlet pipe (acre-feet)
Rubicon Reservoir	156	1,170	0	22	442
Buck Island Reservoir	156	8,225	0	16	532
Loon Lake Reservoir	102-216	21,666	23	106	1,001
Gerle Creek Reservoir	228 wide	9,950	4.5	45	716
Robbs Peak Reservoir	102-156	19,152	4	34.5	1
Ice House Reservoir	72-96	10,140	18	122	3,889
Union Valley Reservoir	102-132	1,991	na	na	2,816
Junction Reservoir	75-168	25,810	0	116	184
Camino Reservoir	60-168	28,149	0	76	55
Brush Creek Reservoir	60-168	6,007	0	140	259
Slab Creek Reservoir	108-288	27,616	0	169	1

4. RIGHT OF ACCESS

The UARP FERC Project Boundary occupies approximately 9,150 acres of land, including all land needed for water diversion and storage but excluding land associated with transmission lines. Of this land, 64% is federal land managed by the Eldorado National Forest, 34% is owned by SMUD, less than 2% is owned by private entities, and less than 1% is federal land managed by the Bureau of Land Management. For the federal land, SMUD's access for project purposes is granted by FERC License No. 2101 and special use permits issued by the Eldorado National Forest. For the private land, SMUD's access for project purposes is granted by easements. (Source: UARP Land Use Technical Report, February 2005). Most of the private land is owned by Sierra Pacific Industries (SPI). The remaining private land lies entirely above the project tunnels. For the private property within the UARP FERC Project Boundary, the table below lists the assessors parcel number, the property owners and the property owner's mailing address.

Several parcels within the UARP Project Boundary

Sierra Pacific Industries
Tim Feller
P.O. Box 1450
Cedar Ridge CA 95924

Parcels above Slab-White Rock Tunnel

085-030-08
Inger Carleton
1930 Hidden Valley Lane
Camino, CA 95709

085-030-51
Austin and Laurina Chadwell
3341 Rio Vista Way
Camino, CA 95709

085-030-04
Pearl Keeler Trust
3281 Rio Vista Way
Camino, CA 95709

085-550-07
William H & E Anne Johnston Trust
781 Las Olas Drive
Aptos, CA 95003

085-450-05
Francis D & Sharlene M Lewis
3674 Fairway Drive
Shingle Springs, CA 95682

085-450-08
Webster B & Vonda L Brunette
2850 Hassler Road
Camino, CA 95709

084-030-21
Iva Ruth Kurtz Rev Trust
9020 Mosquito Road
Placerville, CA 95667

084-210-01
Byron D & Linda B Sher
1000 Fruitridge Road
Placerville, CA 95667

084-220-02

Stephen R & Barbara J Petersen
6712 Tulip Hill Terrace
Bethesda, MD 20816

084-220-06

Clinton & Mable Shankel Trust
2055 Prosperity Lane
Placerville, CA 95667

084-220-07

Auguste & Natalie Archer
2030 Prosperity Lane
Placerville, CA 95667

084-220-10

Dale W & Mary Lou Hall Trust
8625 Mosquito Road
Placerville, CA 95667

084-220-11

John P & Nadean J Music
1992 Prosperity Lane
Placerville, CA 95667

084-220-09

Steven T & Julie A Bowen
8661 Mosquito Road

Placerville, CA 95667

084-190-15

George E Jarzombek
45948 Omega Drive
Fremont, CA 94539

084-190-07

Joseph M & Mary M Keating Trust
8680 Mosquito Road
Placerville, CA 95667

084-190-08

Joseph M & Mary M Keating Trust
8680 Mosquito Road
Placerville, CA 95667

084-150-01

Crystal Elzer Trust, 1996
P O Box 246
Placerville, CA 95667

Parcels above Robbs Tunnel

010-080-43

Alanda Clementsen & Karen Freeman Trust
3918 Hancock Drive
Sacramento, CA 95821

1390 Broadway B166
Placerville, CA 95667

010-080-25

Frank J & Anne-Marie Ohalloran

010-080-42

The Last Resort At Robbs Valley LLC
1390 Broadway B166
Placerville, CA 95667

Parcel above Loon Powerhouse Tailrace Tunnel

010-060-35

Archie D & Ellen L Lawyer
P O Box 661
Lotus, CA 95651

Parcel above Buck-Loon Tunnel

010-120-04
Rubicon Trail Partnership
P O Box 1601
Rubicon, CA 95634

5. EXISTING WATER RIGHTS AND RELATED FILINGS

c. Related Licenses

Application/Permit/License

12323 / 10703 / 11073

12624 / 10704 / 11074

14963 / 10705 / 10495

20522 / 13746 / 10496

22110 / 15088 / 10513

26768 / 19025 / n/a

Licenses 10495, 11073 and 11074 impose the condition: "No diversion or use of water shall be made under this license which will in any way interfere with diversion or use of water for irrigation or domestic purposes, whether such higher uses are made under either prior or subsequent rights." The condition is based on a 1957 Facilities Use Agreement between the District and El Dorado County interests (EDC), as amended in 1961. That agreement states that EDC will not protest any application for additional water rights that the District may file for the UARP as long as the application (and resulting permit and license) are subject to the above condition. Accordingly, the District hereby requests that any permit or license resulting from this application include the same condition.